

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 97504-2088

RECEIVED
OCD - ARTESIA

Form C-101

Revised February 10, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 6 Copies

Fee Lease - 5 Copies

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK OR ADD A ZONE

1. Operator Name and Address Mallon Oil Company P.O. Box 3256 Carlsbad, NM 88220		2. OGRID Number 013925
3. API Number 30-015-29842		
4. Property Code 20475	5. Property Name Mallon 16 State	6. Well No 4

7. Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn.	Feet From the	North/South Line	Feet From the	East/West Line	County
L	16	24S	26E	N/A	1980	South	660	West	Eddy

8. Proposed Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn.	Feet From the	North/South Line	Feet From the	East/West Line	County
9. Proposed Pool 1 Black River, Delaware, West					10. Proposed Pool 2 96684				

11. Work Type Code N	12. Well Type Code O	13. Cable/Rotary R	14. Lease Type Code S	15. Ground Level Elevation 3421'
16. Multiple N/A	17. Proposed Depth 5,500'	18. Formation Delaware	19. Contractor Unknown	20. Spud Date September 29, 1997

21. Proposed Casing and Cement Program					
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12-1/4"	8-5/8"	32#	500'	200 sks	Circ to surface
7-7/8"	5-1/2"	15.5#-17#	5,500'	925 sks	300'
					Post ID-1 9-26-97 API & New Loc

22. Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowcut prevention program, if any. Use additional sheets if necessary.
1. Drill 12-1/4" hole to 500', run and set 500' of 8-5/8" x 32# K55 LTC casing. Cement with 200 sks Class C + 2.00% CaCl₂, yield 1.34 ppg 14.80. Circulate cement to surface. WOC 18 hours.
 2. Drill 7-7/8" hole from 500'-5500'. Run and set 5500' of 5-1/2" x 15.5#-17# K55 LTC casing. Lead cement: 225 sks 35:65 POZ (35% POZ, 65% Class C) + 6% gel + 5% salt + .25lb/sk Celloseal yield 2.04 ppg 12.5. Tail cement: 700 sks Super C Modified, 61 lb/sk C cement, 15 lb/sk POZ A. 11 lb/sk BA 90 bonding, .61 lb/sk FL-52, .44 lb/sk FL-25, yield 1.44, ppg 13.6.

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.		OIL CONSERVATION DIVISION	
Signature: <i>Duane C. Winkler</i>		Approved by: ORIGINAL SIGNED BY TIM W. GUM	
Printed Name: Duane C. Winkler		Title: DISTRICT II SUPERVISOR	
Title: Operations Manager		Approval Date: SEP 22 1997 9-22-98	
Date: 9/16/97	Phone: (505) 885-4596	Conditions of Approval:	
		Attached: _____	